

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Brassica oleracea*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	2-FURALDEHYDE	Stem	0.38	0.38		
2	2-METHOXY-4-VINYL-PHENOL	Stem	0.17	0.17		
15	ALPHA-LINOLENIC-ACID	Stem	260	2889		
14	ARGININE	Stem	1050	11667		
112	ASCORBIC-ACID	Stem	620	6890	1.2602259509666862	
24	BENZALDEHYDE	Stem	0.02	0.02		
53	BETA-CAROTENE	Stem	0.24	2.67	-0.848867975828728	
28	CALCIUM	Stem	200	2665	-1.743501400177818	
23	CITRIC-ACID	Stem	--	--		
2	CYSTINE	Stem	70	778		
2	DIMETHYL-DISULFIDE	Stem	11.21	11.21		
2	DIMETHYL-SULFIDE	Stem	0.38	0.38		
15	FIBER	Stem	1000	11110	-1.296031725728545	
7	FUMARIC-ACID	Stem	--	--		
1	GLUCOBRASSICIN	Sprout Seedling	--	--		
1	GLUCOBRASSICIN	Tissue Culture	--	--		
5	HEXANAL	Stem	0.04	0.04		
7	HISTIDINE	Stem	190	2111		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	INDOLE	Stem	1.33	1.33		
6	IRON	Stem	4	44	-0.6545398138876424	
3	ISOLEUCINE	Stem	780	8667		
75	KAEMPFEROL	Shoot	80	80	1.7121854289040663	
2	LEUCINE	Stem	670	7445		
27	LINOLEIC-ACID	Stem	200	2222		
4	LYSINE	Stem	560	6222		
65	MAGNESIUM	Stem	190	2110	-1.1184243746609566	
15	MALIC-ACID	Stem	--	--		
15	METHIONINE	Stem	130	1445		
13	MUFA	Stem	70	780		
6	MYRISTIC-ACID	Stem	--	--		
1	NEOGLUCOBRASSICIN	Sprout Seedling	--	--		
1	NEOGLUCOBRASSICIN	Tissue Culture	--	--		
39	NIACIN	Stem	4	44		
18	OLEIC-ACID	Stem	70	780		
13	PALMITIC-ACID	Stem	110	1220		
2	PALMITOLEIC-ACID	Stem	--	--		
11	PANTOTHENIC-ACID	Stem	1.6	18		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	PHENYLALANINE	Stem	390	4333		
4	PHOSPHORUS	Stem	400	5110	1.9403763589789504	
14	POTASSIUM	Stem	3500	38890	2.4970609485330573	
4	PUFA	Stem	480	4335		
3	PYRIDINE	Stem	1.52	1.52		
176	QUERCETIN	Shoot	20	20	-0.6593174841787172	
15	RIBOFLAVIN	Stem	0.2	2.2	-0.9061422578020815	
1	SODIUM	Stem	200	2222	2.185328983729152	
8	STEARIC-ACID	Stem	10	110		
31	THIAMIN	Stem	0.5	5.5	-1.3665296611918556	
4	THREONINE	Stem	490	5445		
1	TOLUENE	Stem	0.08	0.08		
29	TRYPTOPHAN	Stem	100	1110		
3	VALINE	Stem	500	5555		